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PATENT & TRADEMARK OFFICE



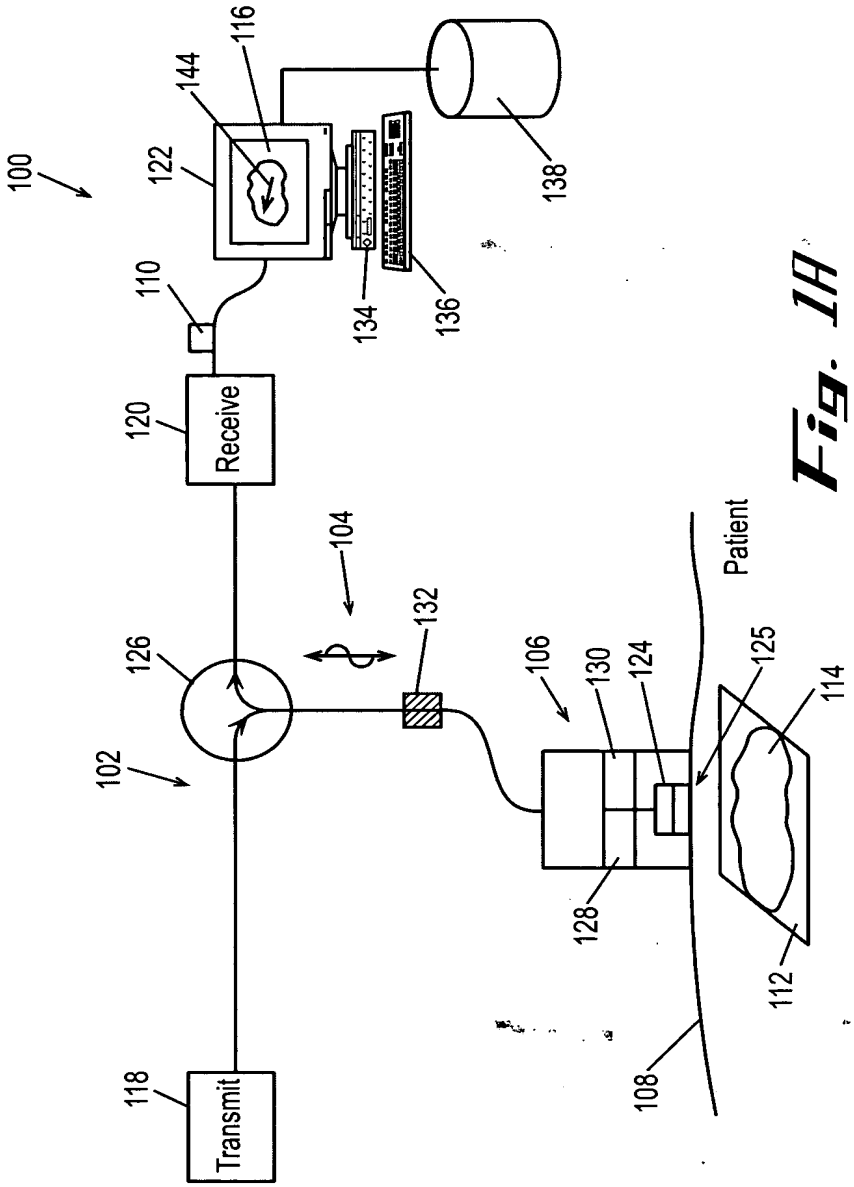
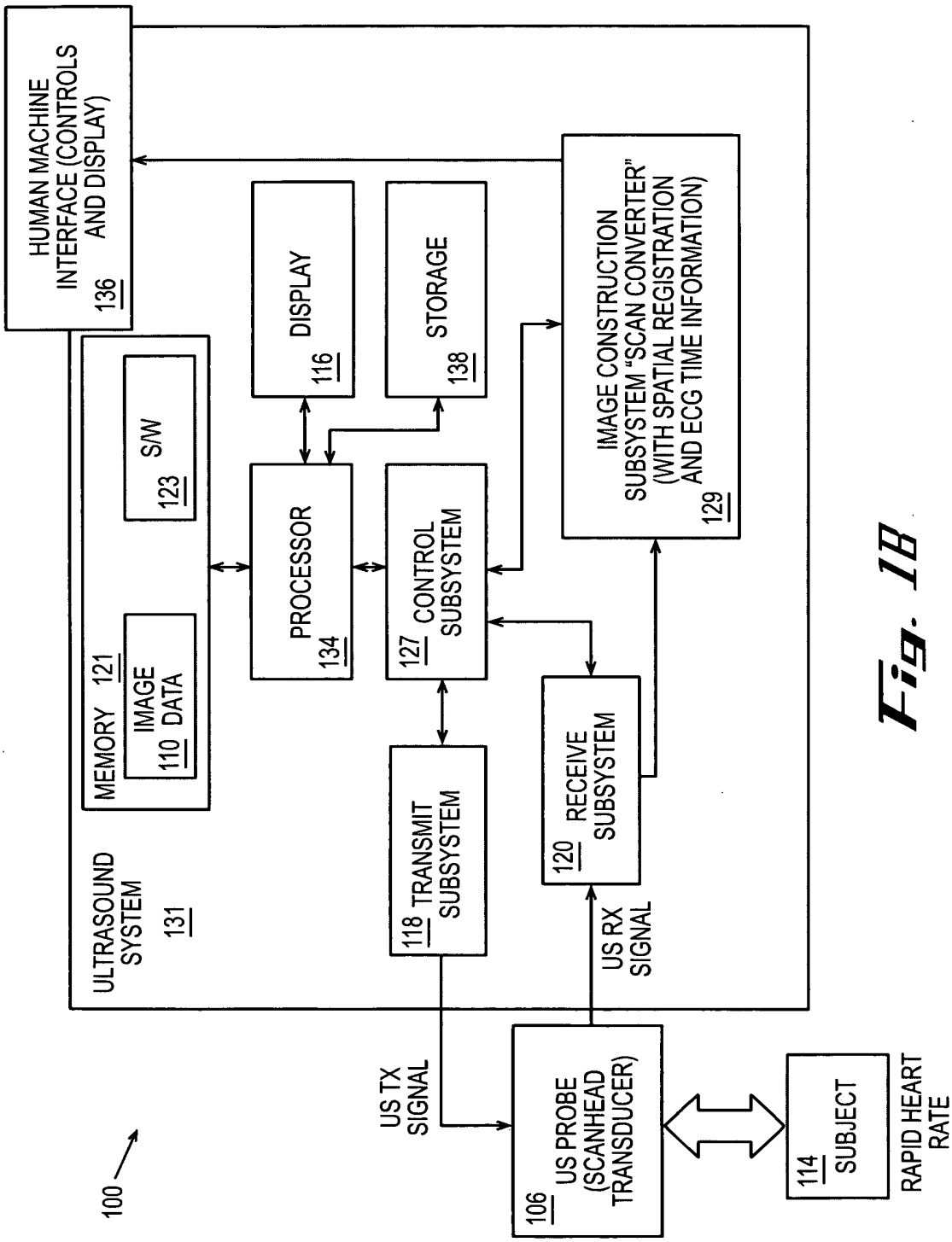



Fig. 1H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120 RECEIVE SUBSYSTEM
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106 US PROBE (SCANHEAD TRANSDUCER)
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100

Fig. 1B

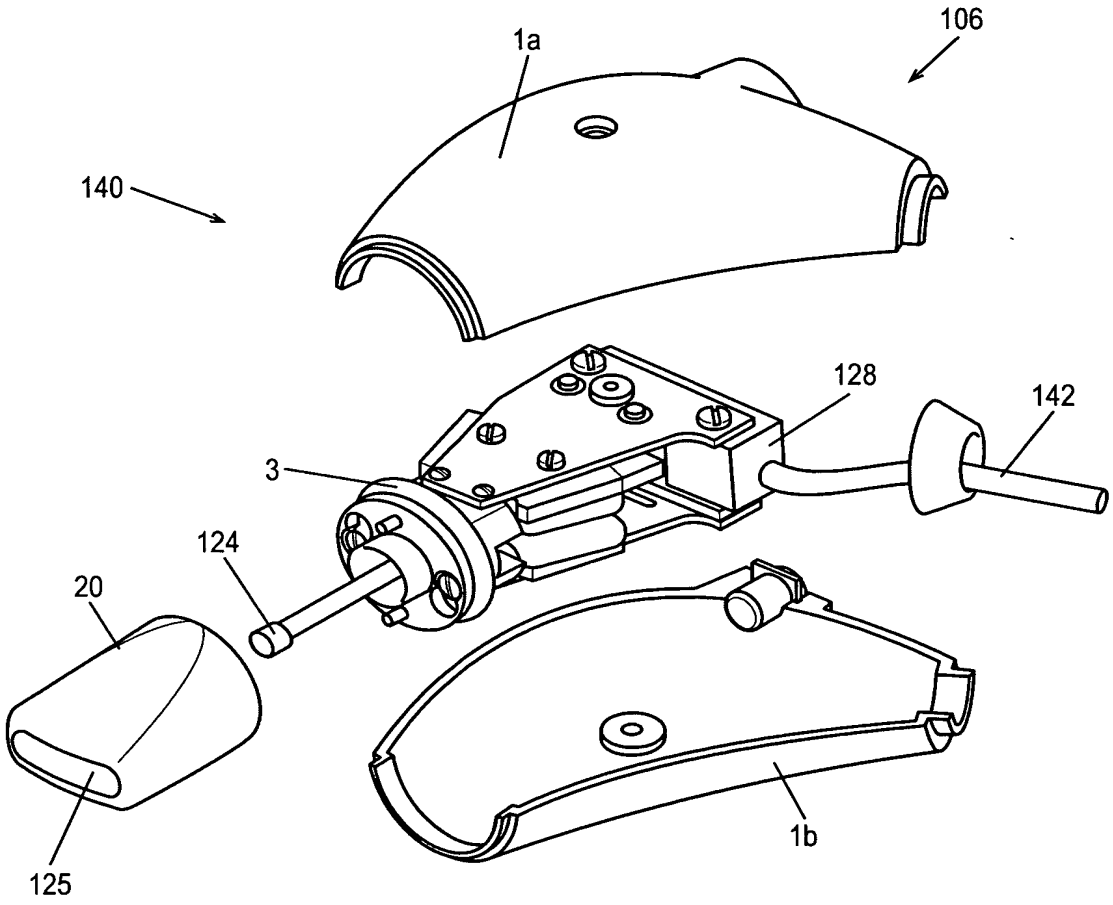


Fig. 2

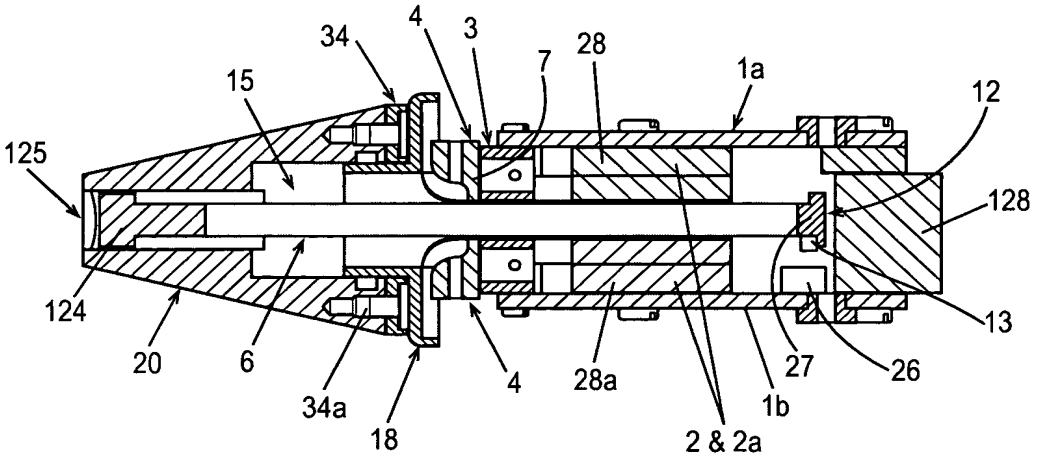
34
4
3
7
28
1a
15
12
125
128
124
13
20
6
34a
18
4
28a
2 & 2a
1b
27
26

Fig. 3A

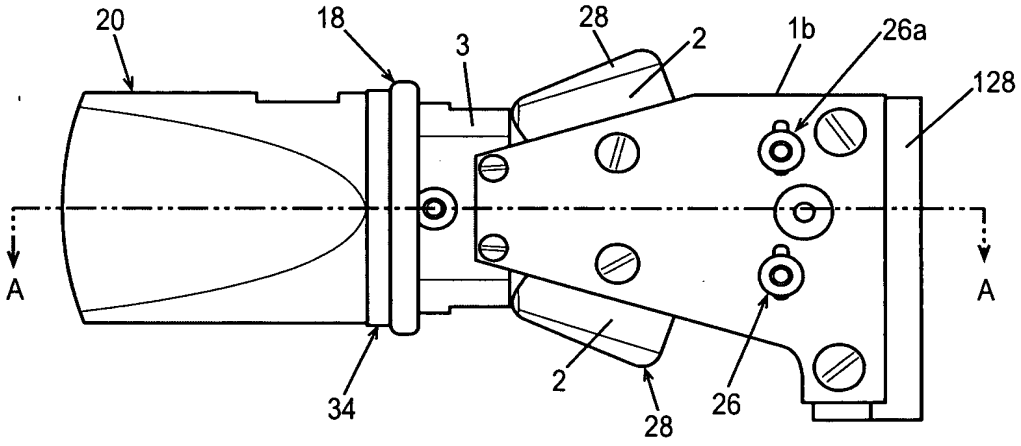
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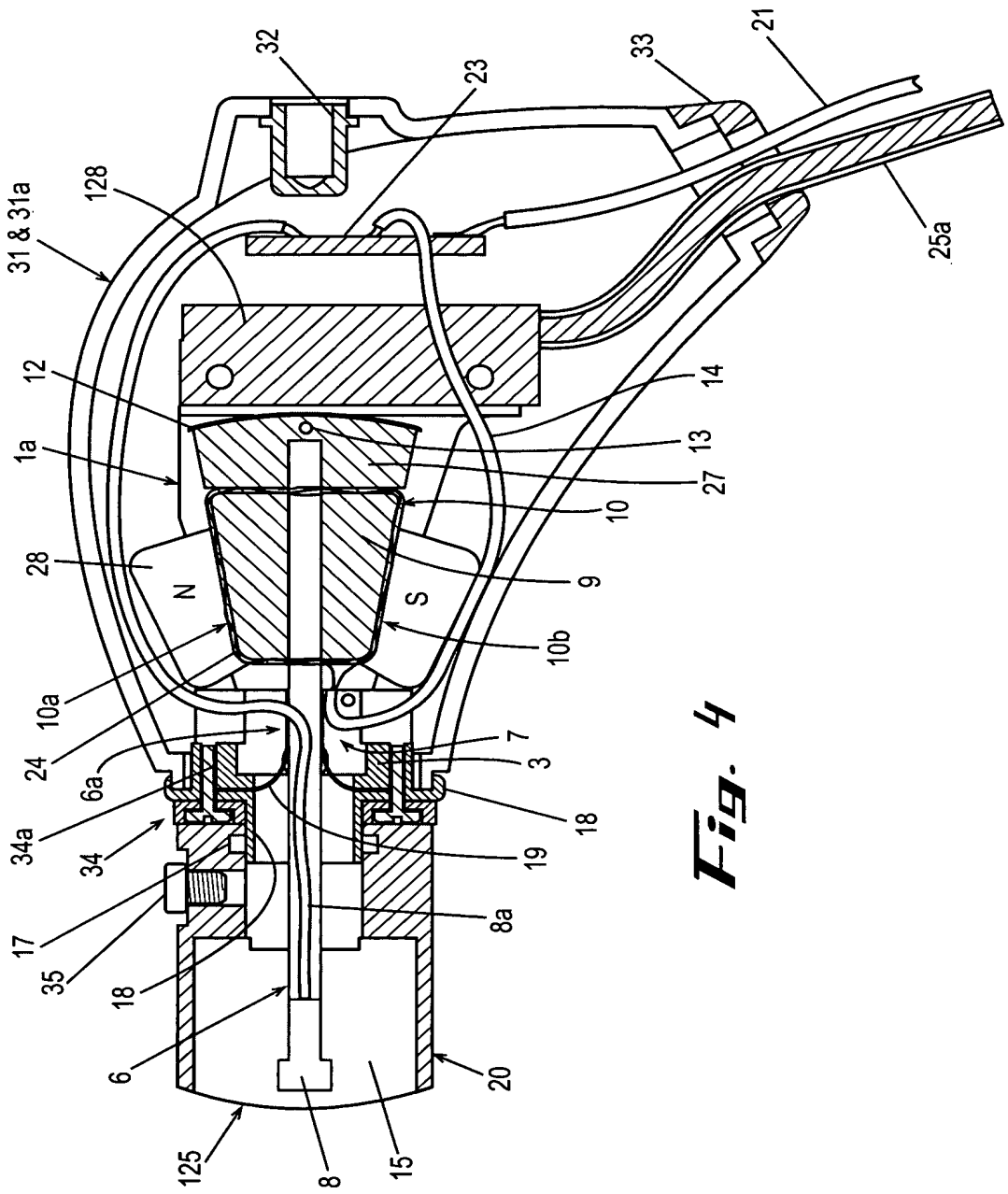
Fig. 3B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N
S
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8a
6
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125
8
15

Fig. 4

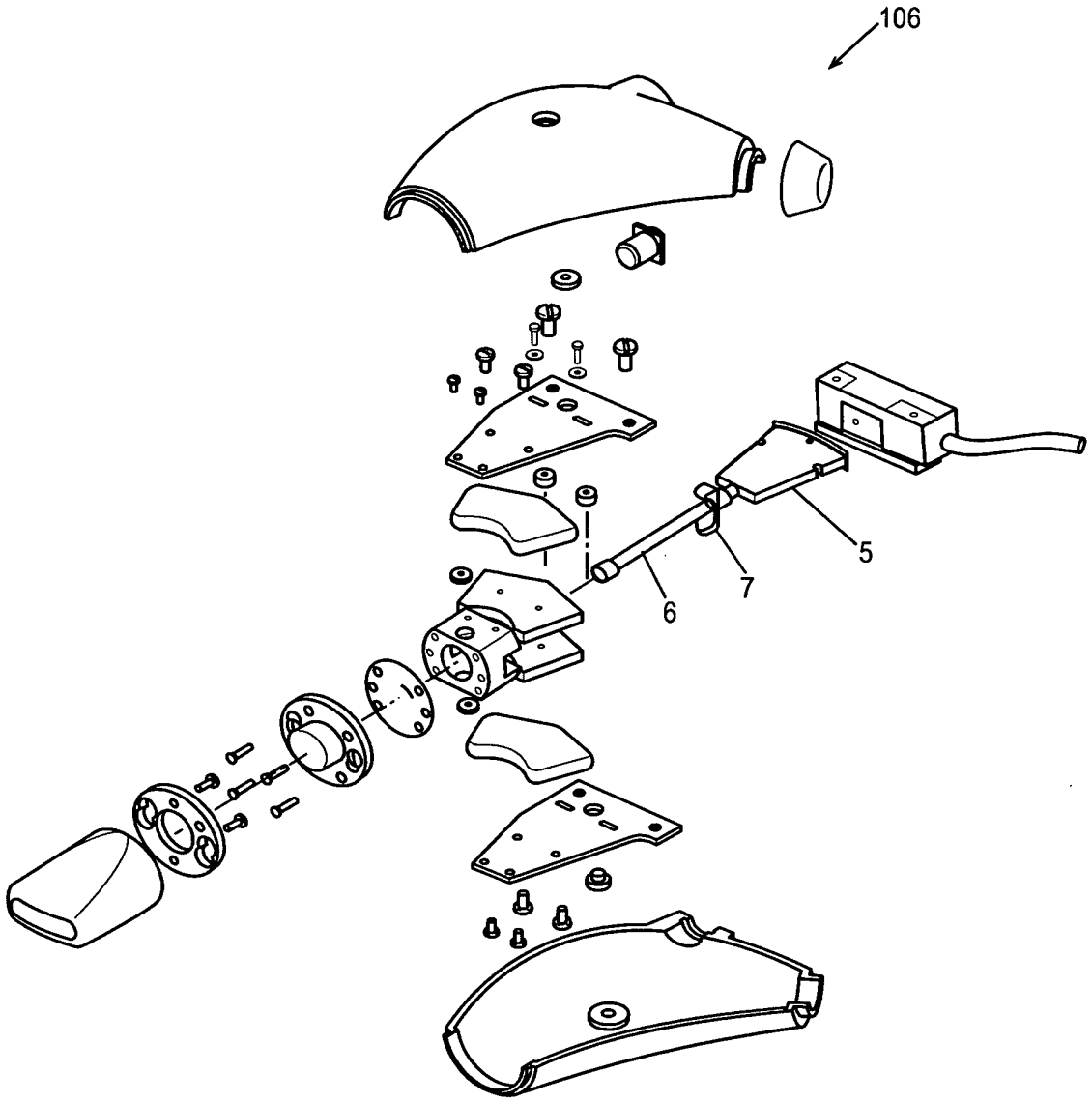



Fig. 5

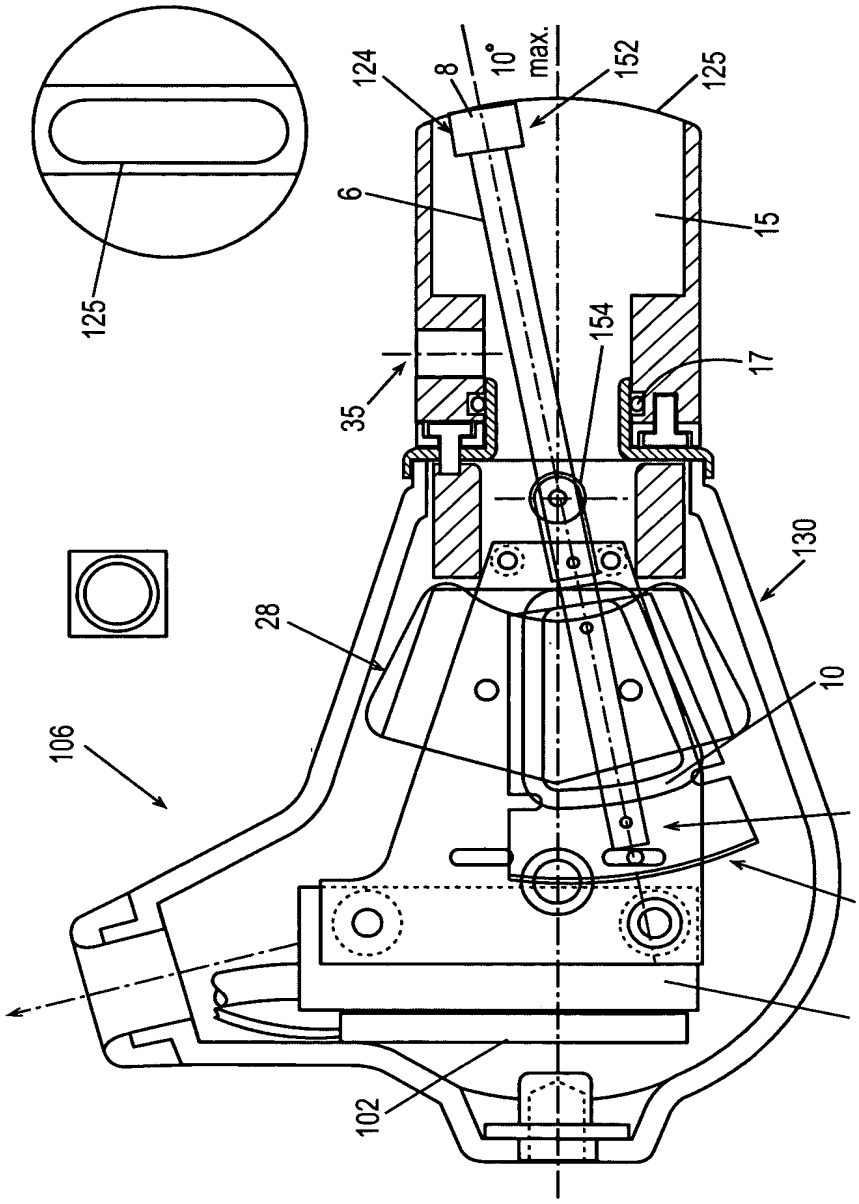



Fig. 6

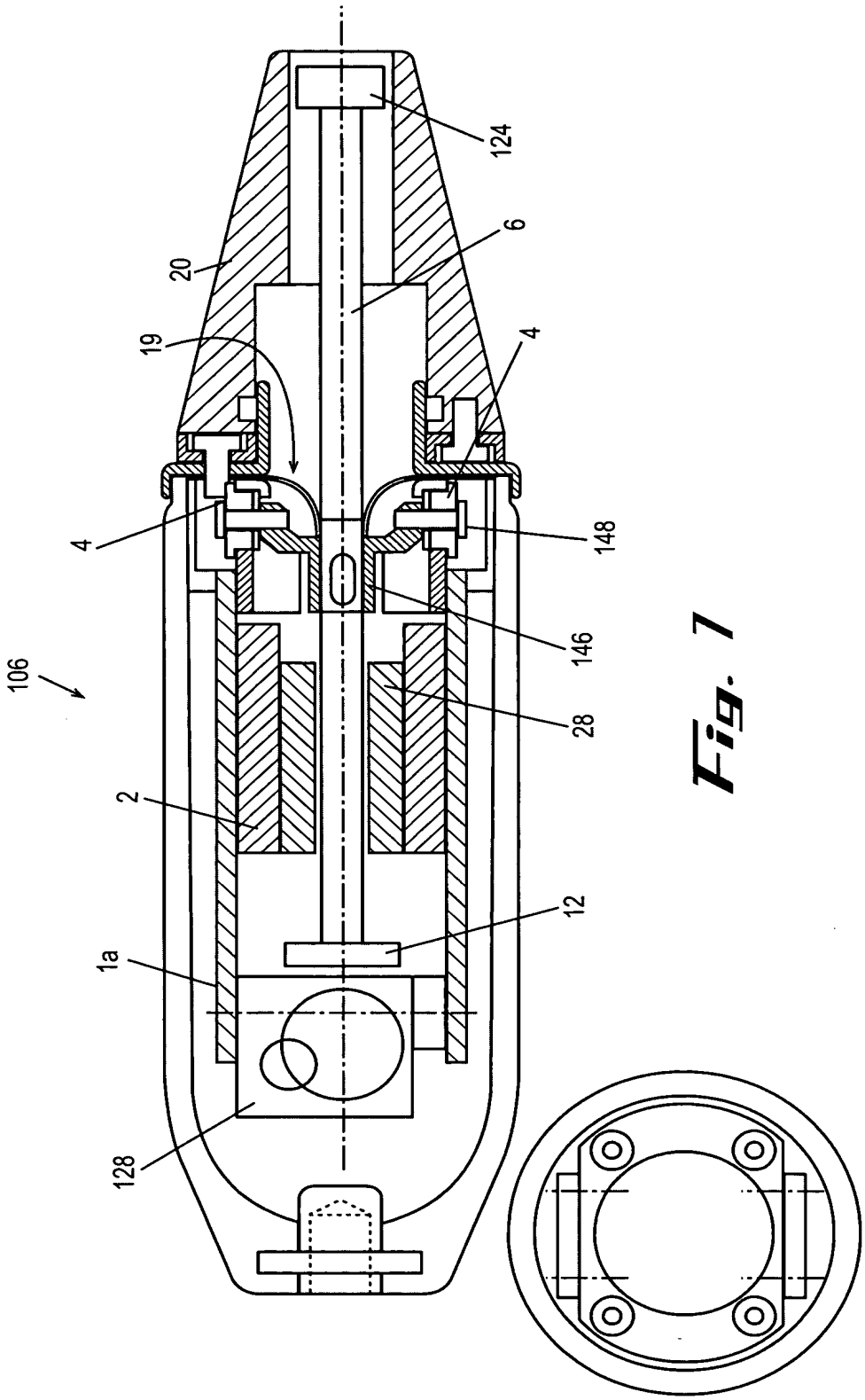



Fig. 1

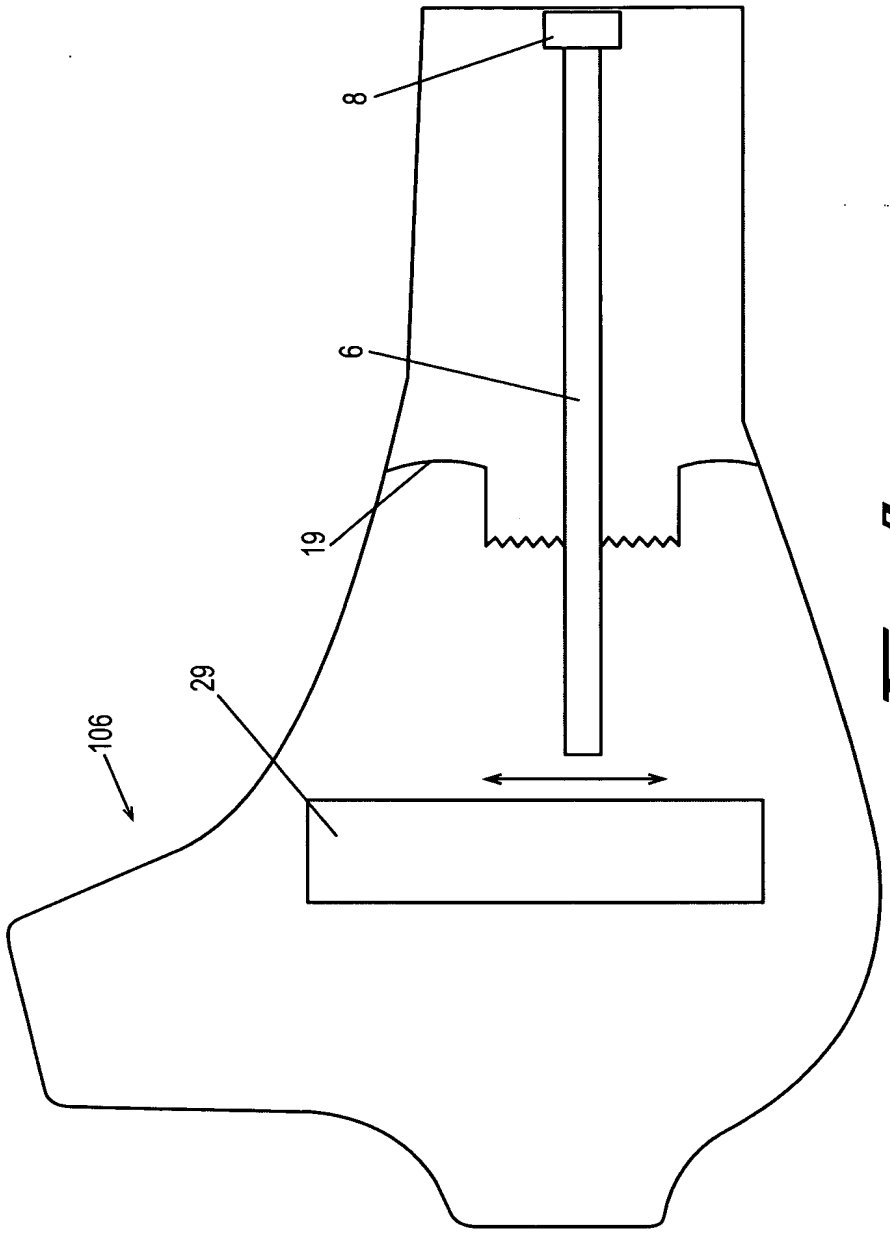
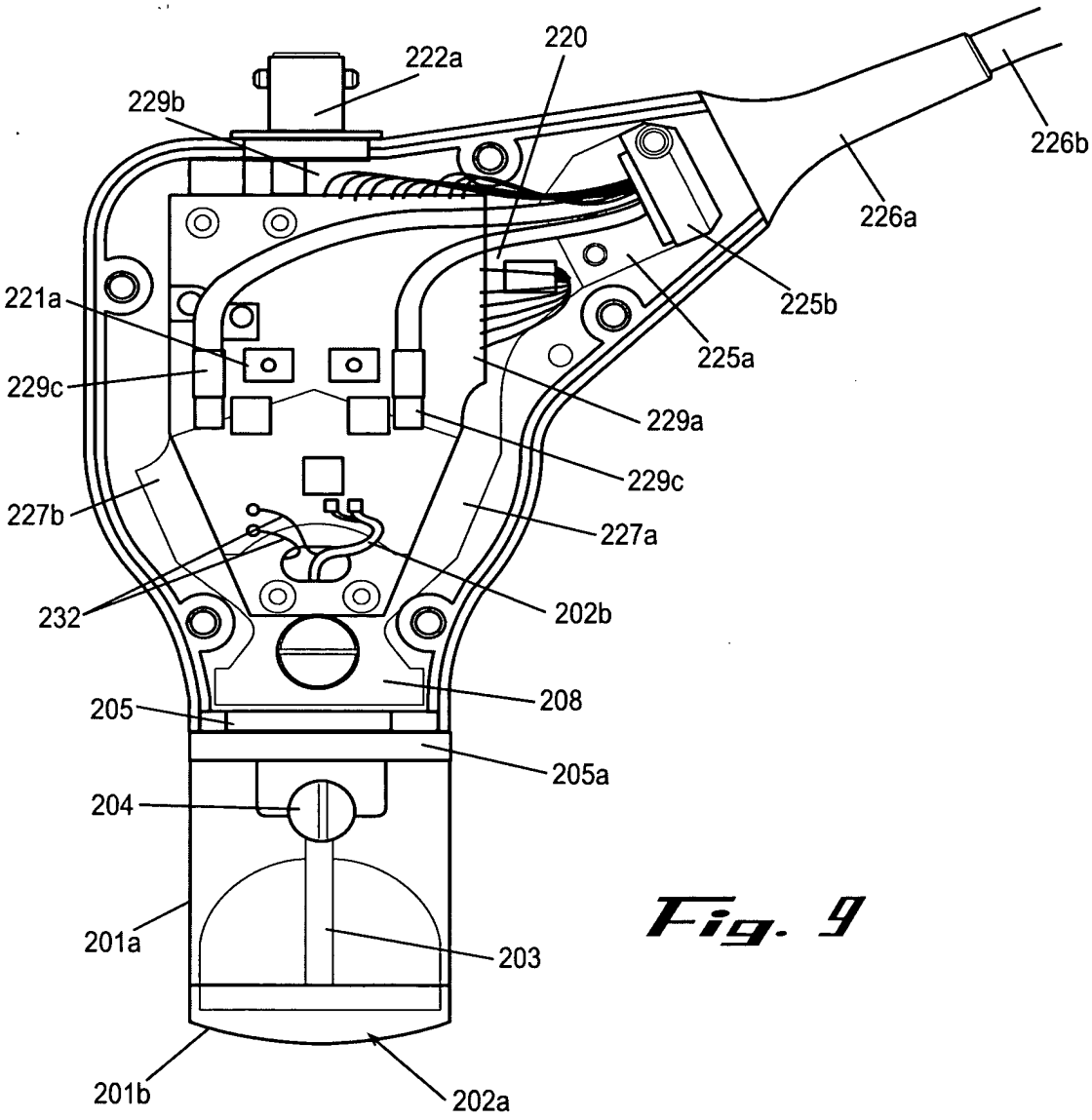



Fig. 8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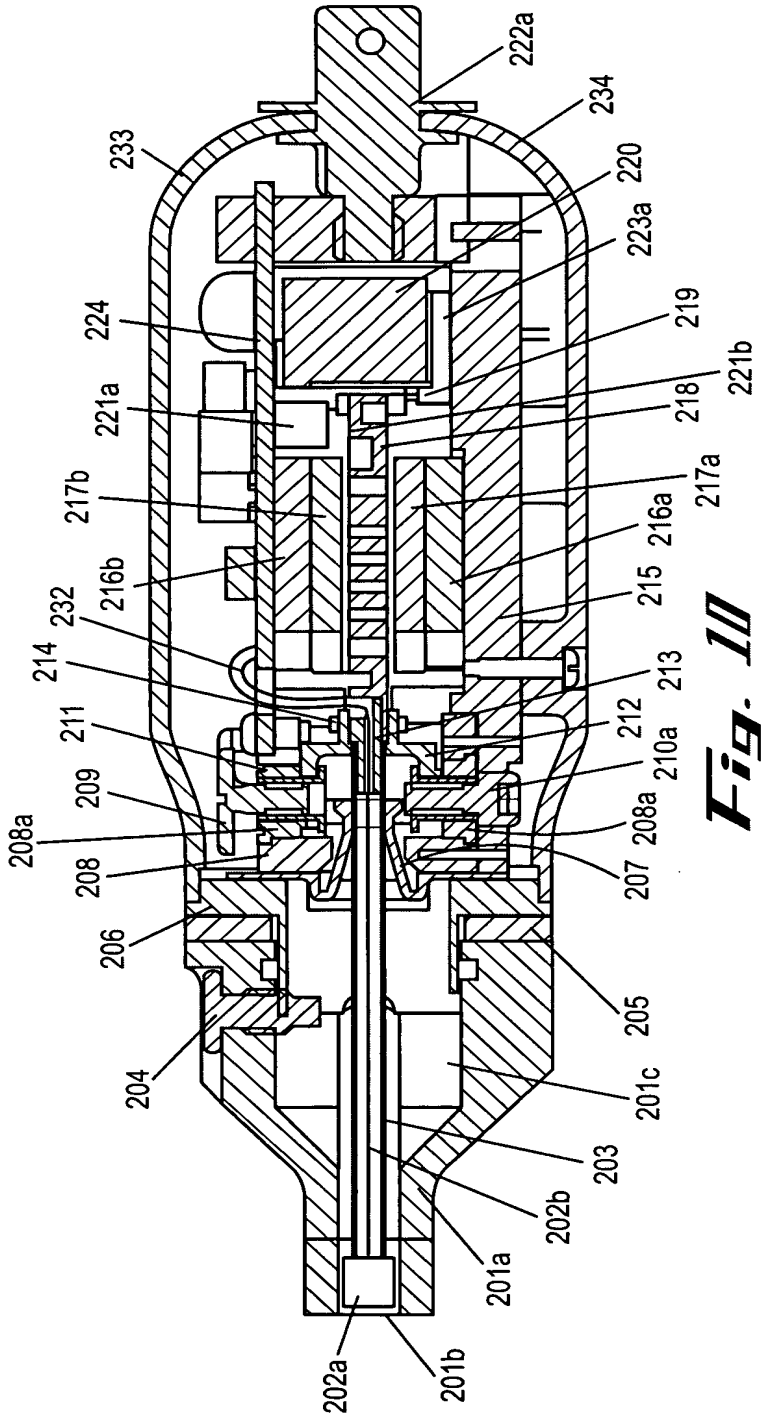
201a
203
201b
202a

Fig. 9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208
206
205
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201c
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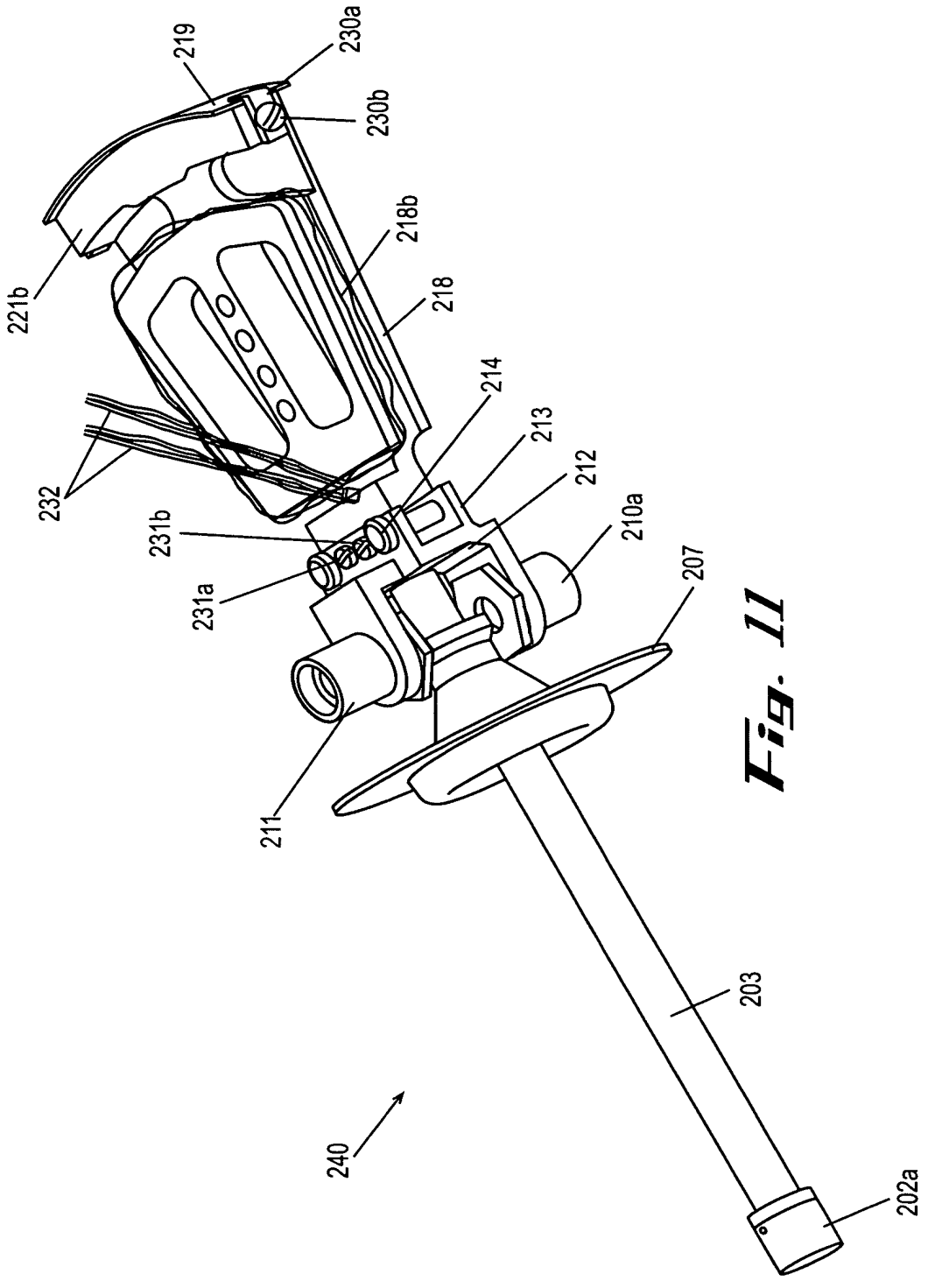
202b
201a
202a
201b

Fig. 11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221b
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231b
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231a
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240
202a

Fig. 11

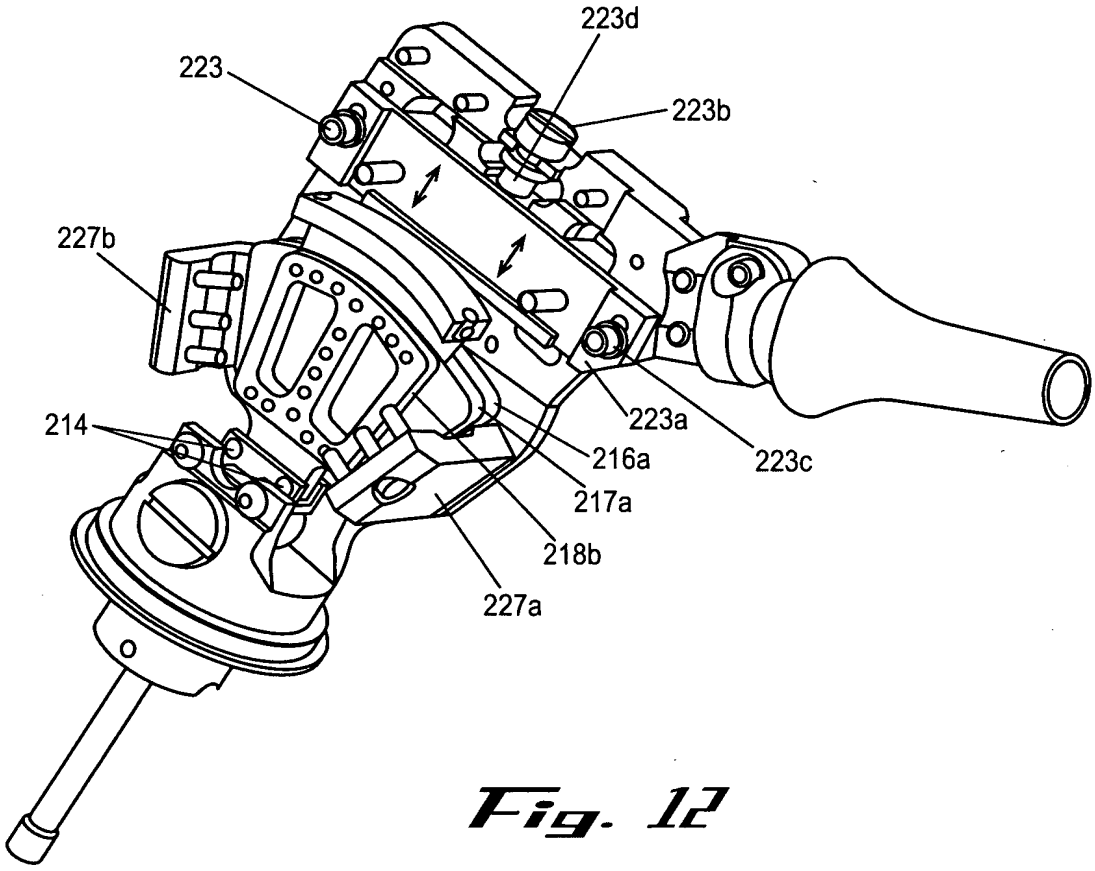



Fig. 12

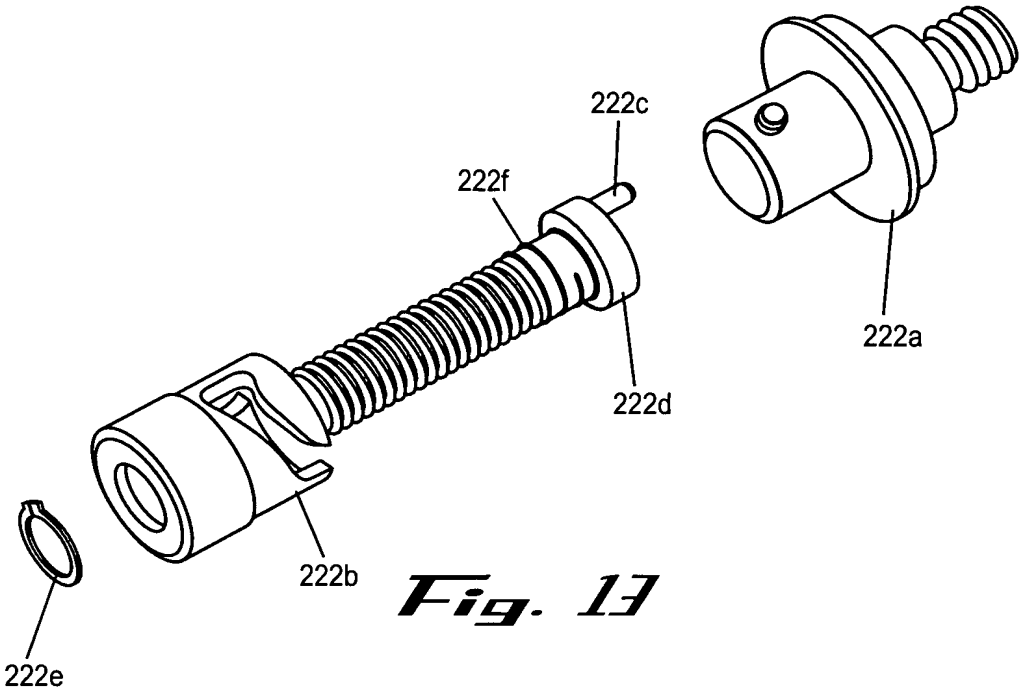



Fig. 13

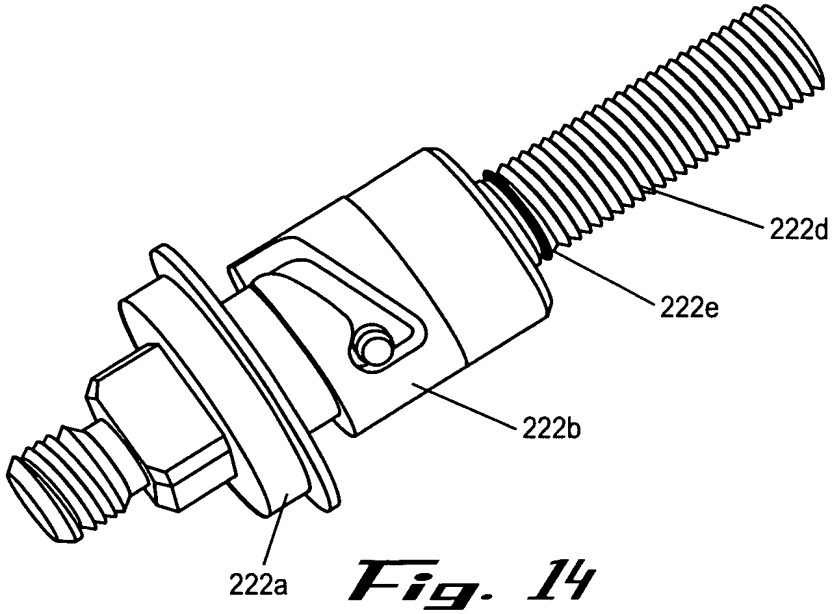



Fig. 14

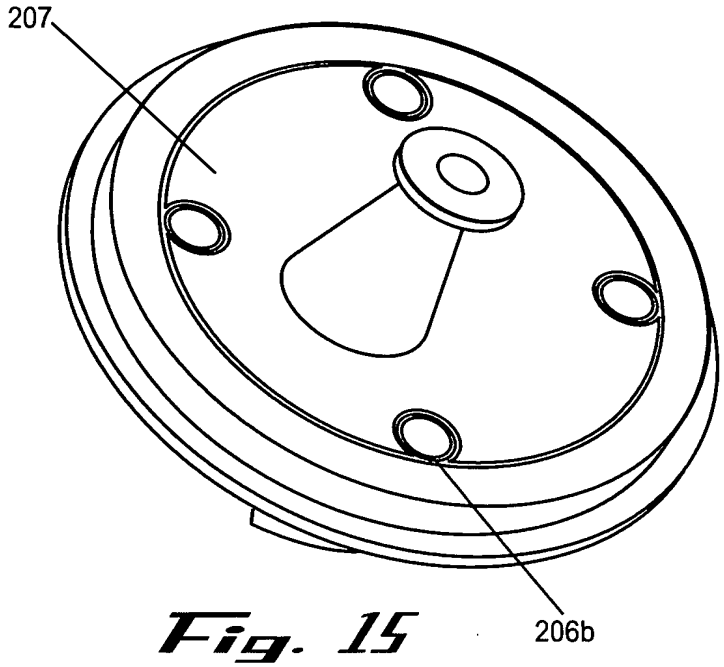



Fig. 15

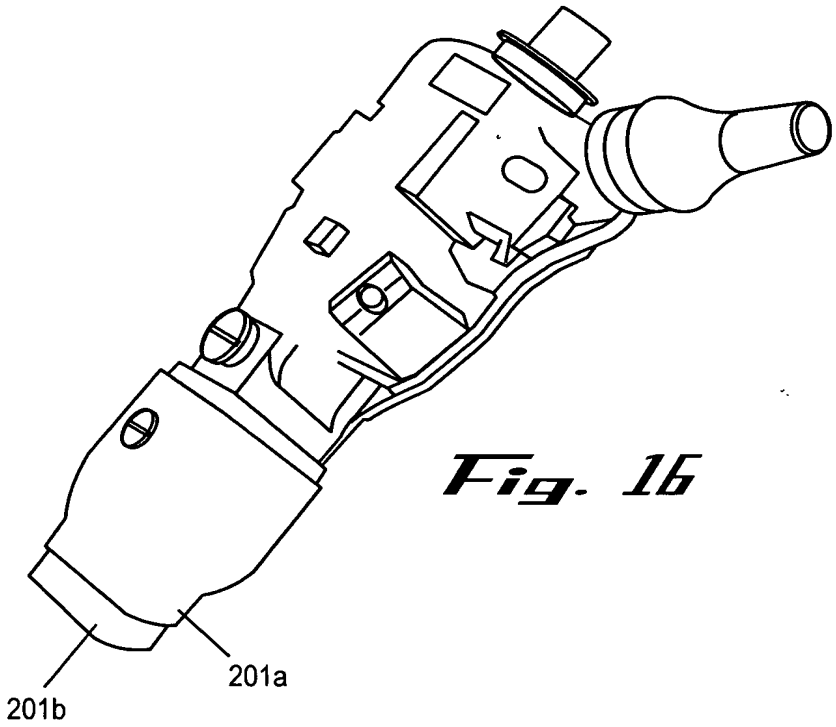



Fig. 16

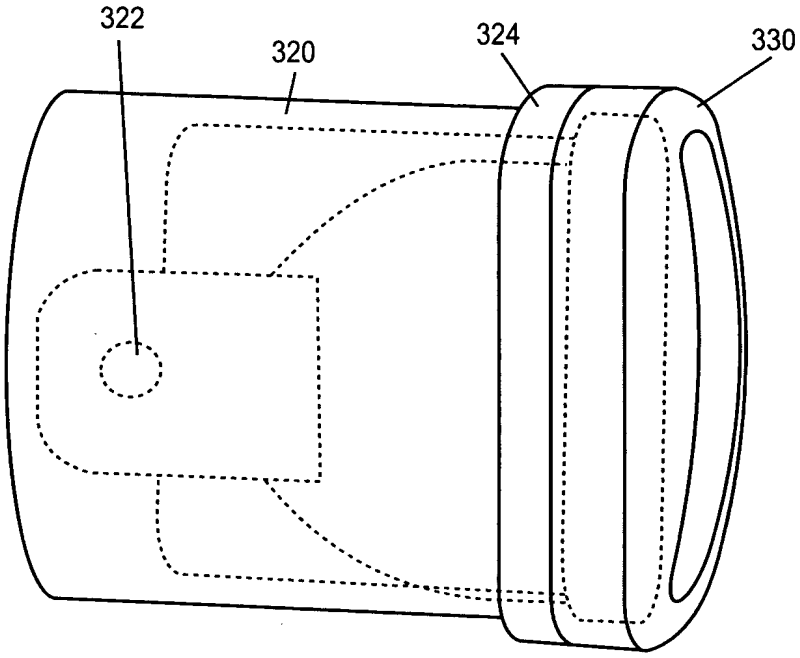



Fig. 17A

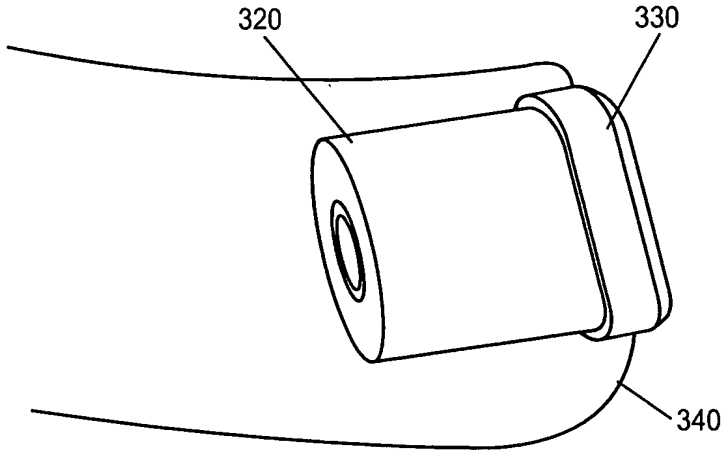
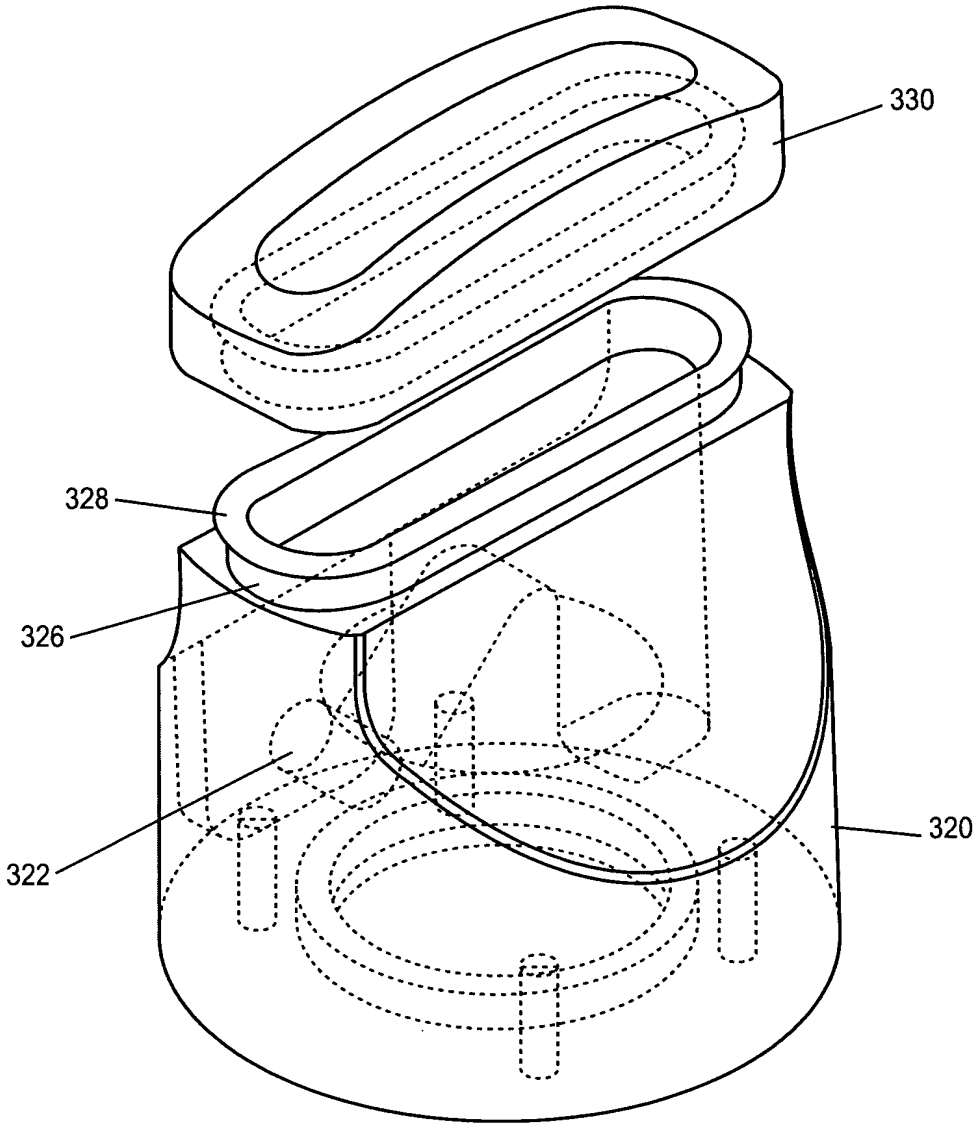



Fig. 17B

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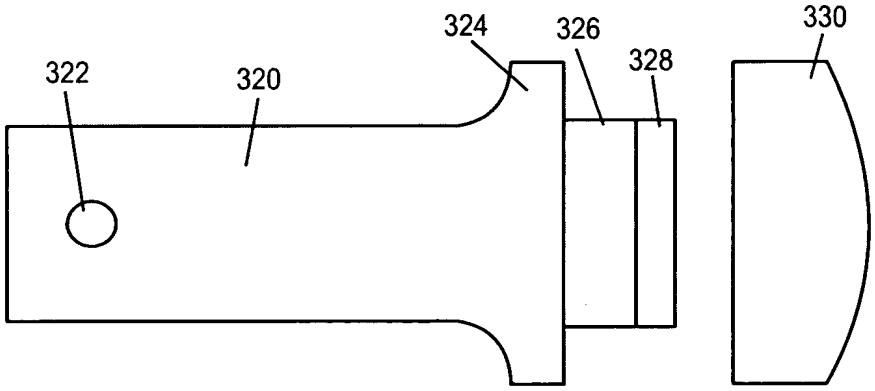



Fig. 19A

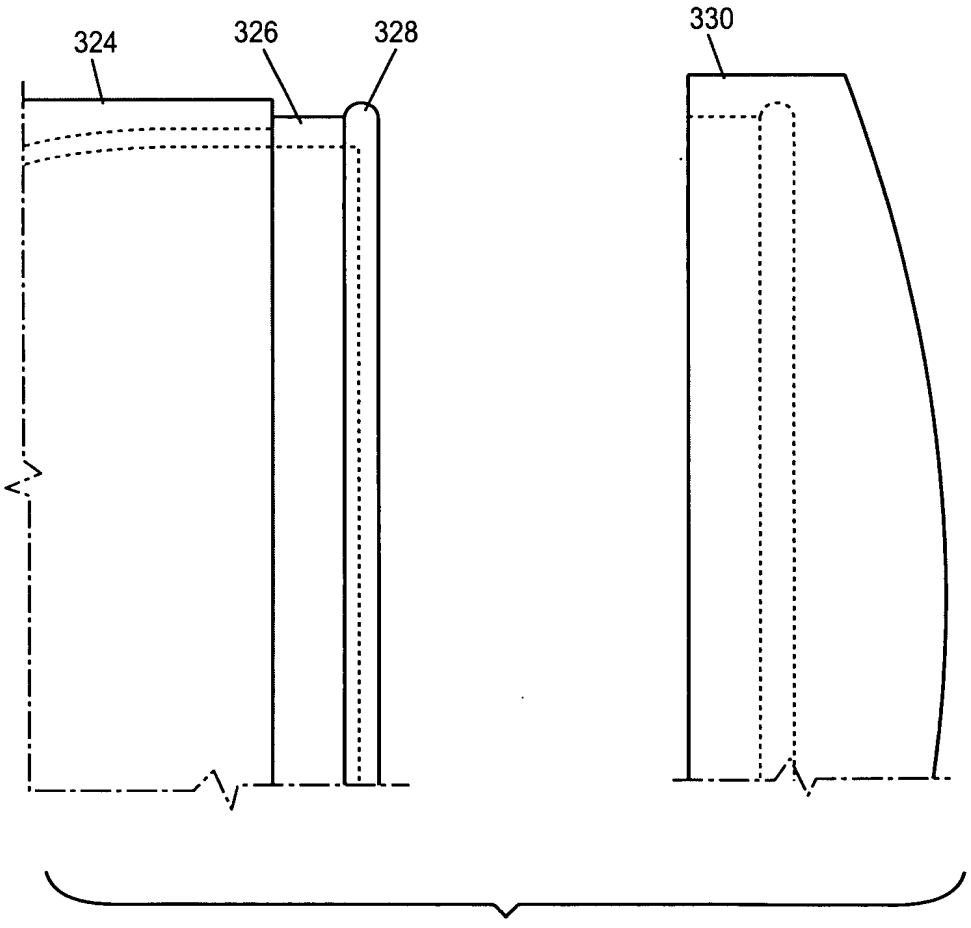
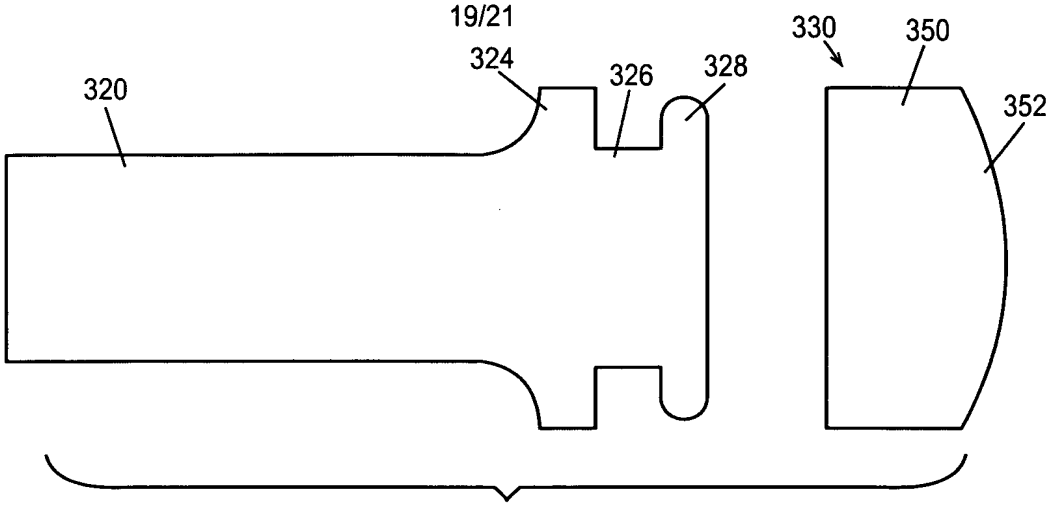



Fig. 19B

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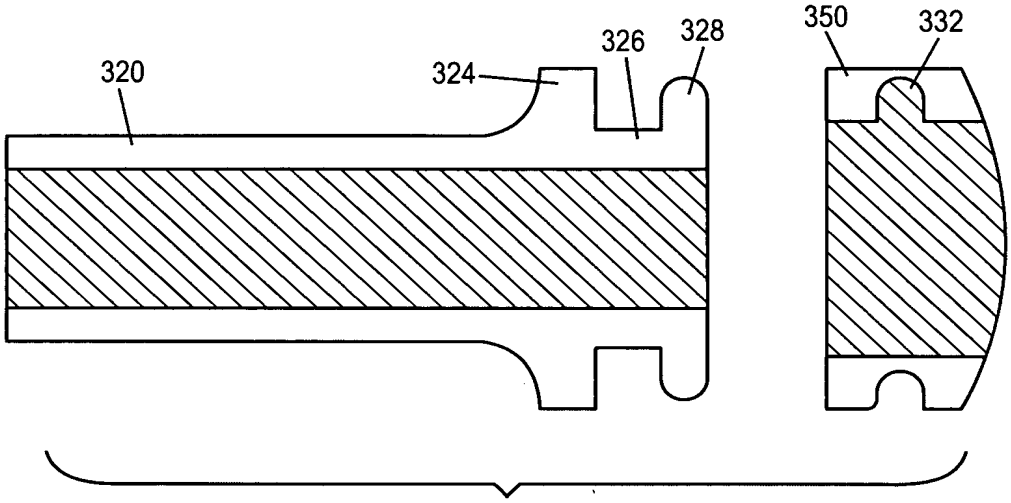


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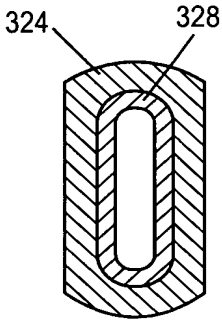


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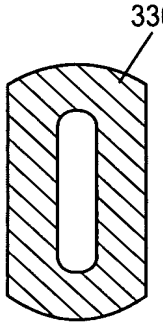


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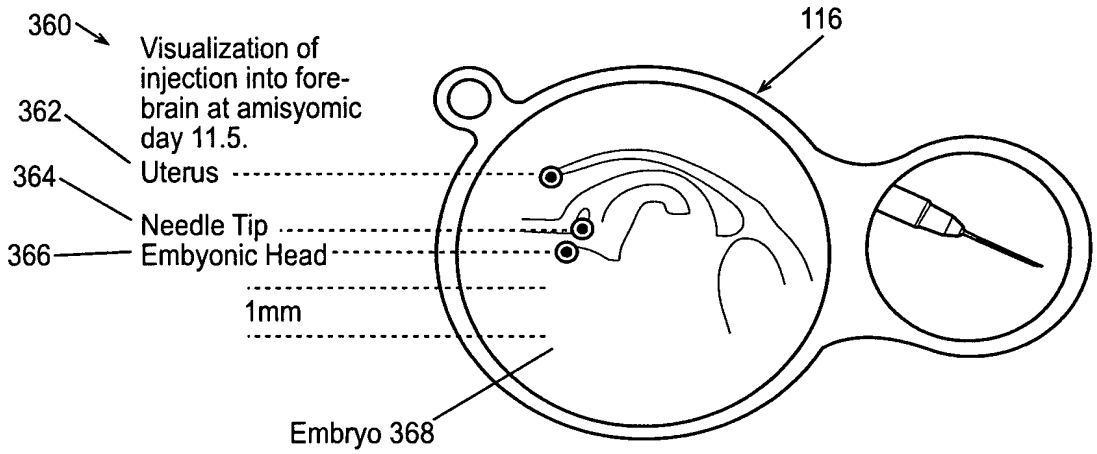
360
Visualization of injection into fore-brain at amisyomic day 11.5.
362
Uterus
364
Needle Tip
366
Embyonic Head
1mm
Embryo 368
116

Fig. 24

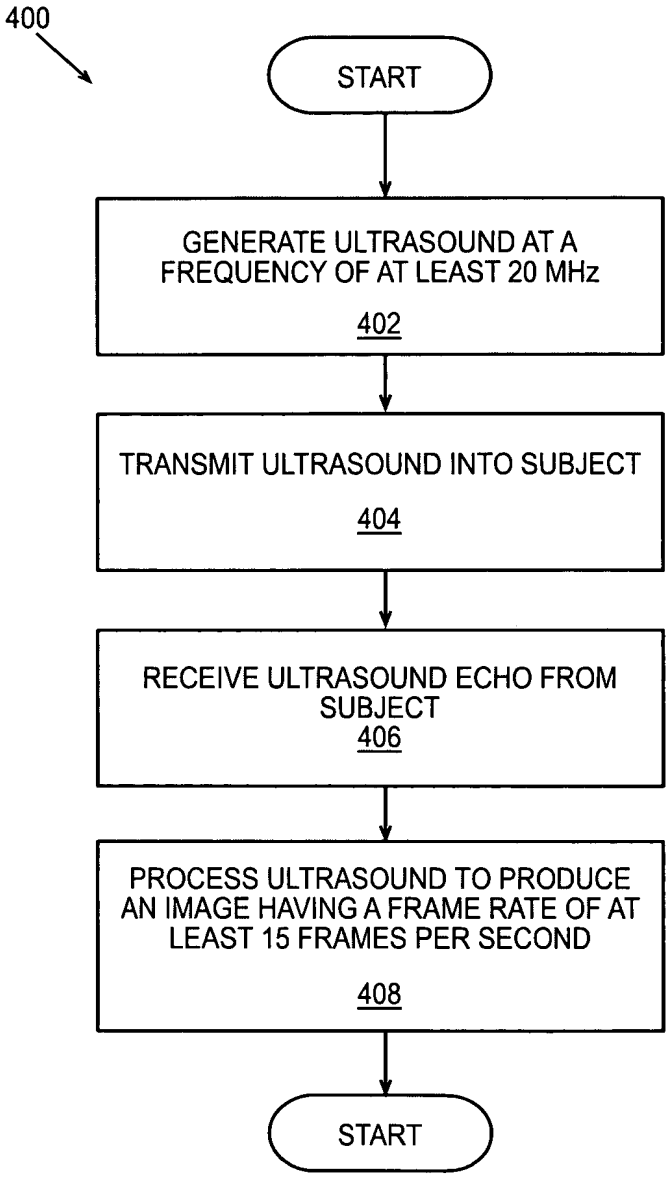
400
START
GENERATE ULTRASOUND AT A FREQUENCY OF AT LEAST 20 MHz
402
TRANSMIT ULTRASOUND INTO SUBJECT
404
RECEIVE ULTRASOUND ECHO FROM SUBJECT
406
PROCESS ULTRASOUND TO PRODUCE AN IMAGE HAVING A FRAME RATE OF AT LEAST 15 FRAMES PER SECOND
408
START

Fig. 25